

Uganda Pig Genetics – breeders certification scheme



Karen Marshall

**The Piggery Production Value Chain Stakeholder workshop for designing a Pig
Breeders' Registration scheme**

Entebbe, Uganda, 10 May 2018

The problem

I would like a good crossbred sows, where can I purchase them with confidence?



Commercial pig producer

I have good crossbred pigs for breeding, where can I sell them?



Breeder = supplier of breeding pigs

The solution

I would like good crossbred sows, where can I purchase them with confidence?

I have good crossbred pigs for breeding, where can I sell them?



Connection



Today's discussion

I would like good crossbred sows, where can I purchase them with confidence?

I have good crossbred pigs for breeding, where can I sell them?



How to best do this



Today's discussion

I would like good crossbred sows, where can I purchase them with confidence?

I have good crossbred pigs for breeding, where can I sell them?



How to best do this
How to provide quality control

Some thoughts on the scheme

For sustainability

- Start with a simple scheme and build on this
- Consider who will fund – is it possible to involve the private sector

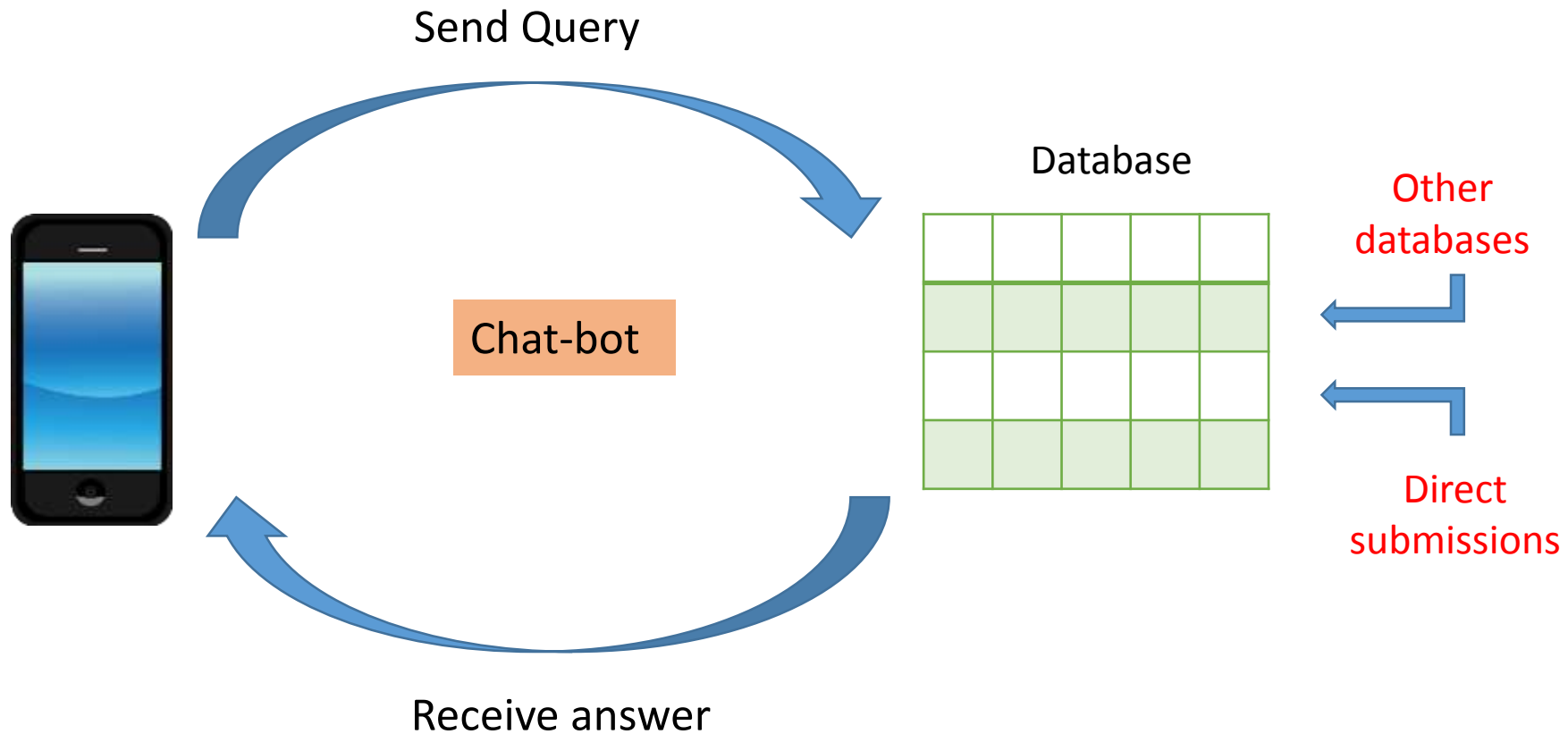
Consider who the scheme is being designed for and what information they need

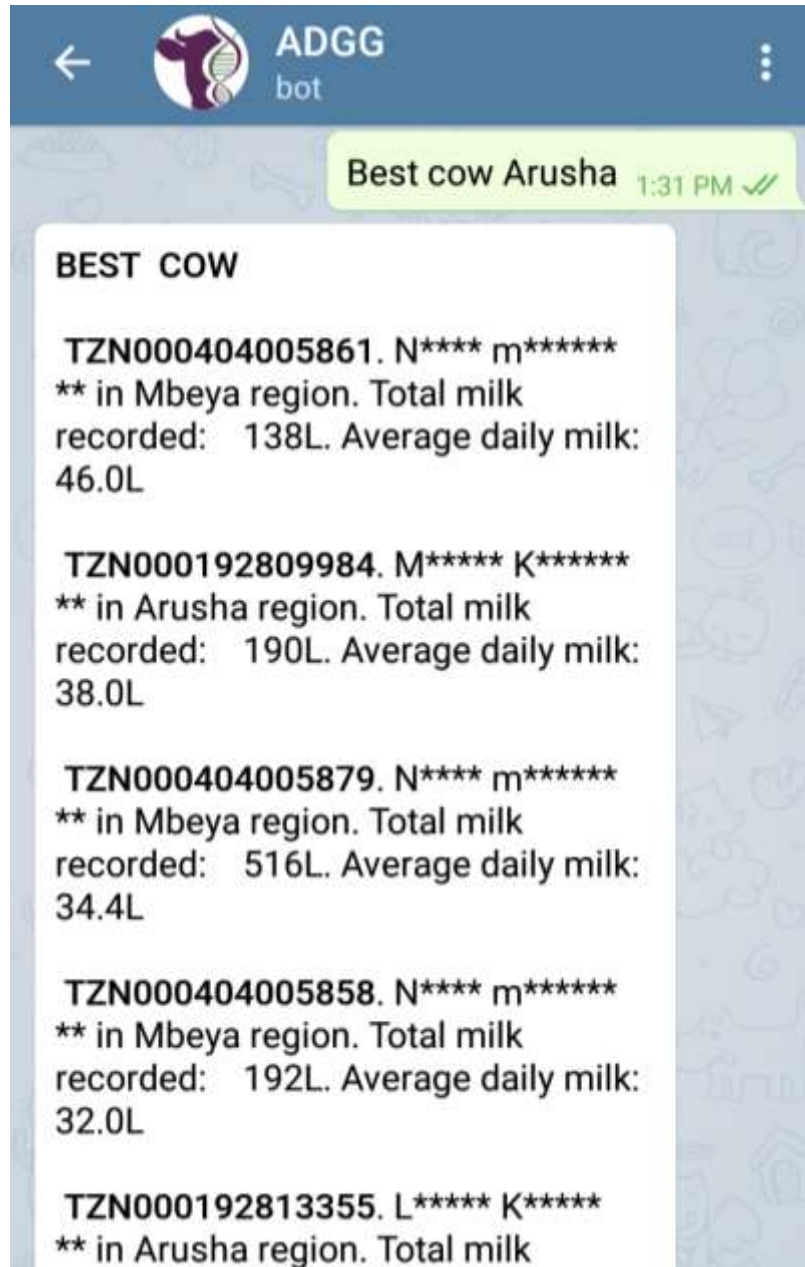
- Who for: those wishing to sell or buy breeding pigs of any breed or cross-breed type
- What do buyers need: type of pig, price, location, photo, performance information.....; choice
- What do breeders (sellers) need: means of advertising, knowledge of market

Consider innovative ways of doing this

- There are many new IT based tools available which could be used alone or in conjunction with other approaches

IT based tool – example





Chatbot – African Dairy Genetics Gain

Loading your personalised
price report...



This week average milk price in
Kiambu County is 45Ksh/ltr

This is the same as the average in Kenya
(45Ksh/ltr)

We hope you found this
useful 👍😊 We'll send you
notifications each week with
the latest milk prices, cows
for sale and expert advice



Chatbot – African farmers club

Farm.Inc <https://www.farm.ink/#>

“Over 1 million messages are
sent and received through our
chatbots every month”

Facebook
groups –
already used
by many



Africa Farmers Club

105K members · 10+ posts a day

Nairobi, Kenya · Mombasa, Kenya · Machakos · This group is for African farmers by African farmers. We meet here ...

+1 Join



Dairy Farming Kenya - DFK

179K members · 10+ posts a day

Kenya · A Farming group to Focus on Dairy Farming majorly. All other farming ideas also welcomed. A journey o...

+1 Join



PIG FARMERS UGANDA

3.5K members · 10 posts a day

Uganda · Everything and anything about pig farming in Uganda. Exercise due diligence and care when transacting...

+1 Join



Farming Uganda

46K members · 10+ posts a day

Uganda · Farming Uganda in a nutshell; WHY? Make the farming experience easier/better WHILE sharing/inspiring/...

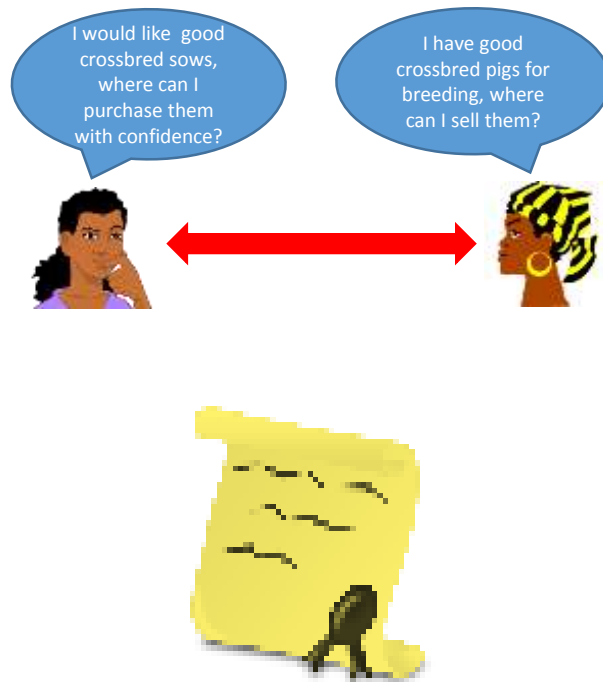
+1 Join

Some thoughts on the scheme

On the concept of breed

- The aim is to connect suppliers of breeding pigs (breeders) to commercial pig producers
- Commercial pig producers may want different breeds / cross-breeds, and should have this choice
 - Pure-breeds
 - F1 crossbreeds (50% breed A, 50% breed B)
 - Back cross (75% breed A, 25% breed B)
 - Synthetic (stabilized mix of a number of breeds)
 - Others
- Purity of the pig to a particular breed /cross-breed is not the most important criteria when selecting a breeding animal – the performance of the pig is. Later the scheme should evolve to this.

Consider how the scheme will develop



Connecting suppliers of breeding pigs with commercial pig producers

Ensuring quality control at the level of the pig breeder - e.g. some suppliers of breeding pigs achieving certification as supplying particular breeds / cross-breed type(s)



Ensuring quality control at the level of the individual pig - breeding pigs with breeding values based on performance recording

Some thoughts on the scheme

Certification as
suppliers of
particular breed
/ cross-breed
types

- Need to define criteria for certification (acknowledged supplier) – needs to be simple, realistic and equitable
- Some obvious e.g. imported pigs – closed nucleus
- Low cost genotyping for breed composition (on a subset of animals for each supplier) is an option but need to consider sustainability – who will pay?
- Consider how the breeders registration database will be accessible to others (else it will not be of use)

Uganda Pig Genetics:

The **most appropriate pig genetics** for improved productivity and profitability of the Ugandan smallholder pig enterprises

